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ABSTRACT OF THE DISCLOSURE

An apparatus for heating or cooling a fluid medium by means of environmental influences, such as light, solar irradiation and/or ambient temperature, etc., has at least two films arranged parallel to each other which at least to some extent adhere to each other in such a way that one or more chamber-like cavities or interspaces to hold the fluid medium are formed. The apparatus has at least one opening for the supply of a fluid medium, and also at least one opening for the discharge of the fluid medium. The production of the apparatus is for example carried out by means of fishtail extrusion of two films, which are extruded lying on each other, a separating material, such as a separating film, a separating nonwoven, a separating fabric or a release agent, being introduced between the two film layers in those regions in which the chamber-like cavities are to be formed. In order to produce the apparatus, however, it is also possible to laminate a film having embossing onto a further film, the films being joined firmly to each other or connected to each other at the elevated points of the embossing and the cavities being formed at the depressed points of the embossing.